APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

formation of C_3H_4O and CO_2 takes place predominantly at lower temperatures, and a parallel-consecutive formation of CO_2 at higher temperatures. Ye. N. Popova, D. Ya. Nechiporuk, and M. V. Rybakova are thanked for their assistance. There are 1 figure, 3 tables, and 8 Soviet-bloc references.

ASSOCIATION: Institut fizicheskoy khimii im. L. V. Pisarzhevskogo Akademii nauk USSR (Institute of Physical Chemistry im. L. V. Pisarzhevskiy, Academy of Sciences, UkrSSR)

PRESENTED: December 10, 1960, by A. A. Balandin, Academician

SUBMITTED: December 9, 1960

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

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BELOUSOV, V.M.; GOROKHOVATSKIY, Ya.B.; RUBANIK, M.Ya.

Kinetics of oxidation of propylene to acrolein on a copper catalyst. Kin.i kat. 3 no.2:221-229 Mr-Ap '62. (MIRA 15:11)

1. Institut fizicheskoy khimii imeni L.V.Pisarzhevskogo AN UkrSSR.
(Propene) (Acrolein) (Catalysts, Copper)

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BELOUSOV, V.M.; RUBANIK, M.Ya.

Method of competing reactions used for studying the mechanism of catalytic oxidation of lower hydrocarbons. Kin. i kat. 4 no.6:892-897 N-D '63. (MIRA 17:1)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

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BELOUSOV, V.M.

Competitive reactions as a method of investigating the mechanism of heterogeneous catalysis. Ukr. khim. zhur. 30 no.1:32-39 '64.
(MIRA 17:6)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

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BELOUS, V. M.; CHIBISOV, K. V.

Luminescence studies of the role played by admixed silver centers in the photolysis of silver halides. Dokl. AN SSSR 156 no. 1: 121-124 My '64. (MIRA 17:5)

1. Odesskoye vysshoye inzhenernoye morskoye uchilishche i Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova.
2. Chlen-korrespondent AN SSSR (for Chibisov).

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.M.; GERSHINGORINA, A.V.

Adsorptive properties and reactivity of olefins of various structure in hydrogenation over a silver catalyst. Ukr. khim. zhur. 30 no.6:596-599 '64. (MIRA 18:5)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

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BELOUSOV, V.M.

Absorption spectra of silicate ceramics following irradiation. Izv. vys. ucheb. zav.; fiz. 8 no.2:175-177 '65. (MIRA 18:7)

1. Tomskiy politekhnicheskiy institut imeni Kirova.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

CHERTOV, V.M.; [illegible]LOUSOV, V.M.

Use of silica gel as a carrier for gas-liquid chromatography.
Ukr.khim.zhur. 31 no.2:171-174 '65.

(MIRA 18:4)

1. Institut fizicheskoy khimii im. L.V.Pisarzhevskogo AN UkrSSR.

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BELOUSOV, V.M.; RUBANCHIK, M.Ya.; GERSHINGORINA, A.V.

Pulse method of studying the kinetics of reactions under conditions of the unsteady state of a catalyst. Ukr.khim. zhur. 31 no.5:444-449 '65. (MIRA 18:12)

1. Institut fizicheskoy khimii AN UkrSSR imeni Pisarzhevskogo. Submitted Febr. 10, 1964.

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BELOUSOV, V.M.; GERSHINGORINA, A.V.

Method of preparing modified activated carbon for gas chromatography. Ukr. khim. zhur. 31 no.6:633-635 '65. (MIRA 18:7)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

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ZHUCHKOV, P.A.; ABRAMOVICH, A.D.; BELOUSOV, V.N.

Effect of the hydraulic and thermal conditions of papermaking machines on the rate of drying of paper sheets. Trudy LTITSB no.13:128-133 '64. (MIRA 18

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.N.; LIMANSKAYA, A.L.

For cleanliness of the air. Ogneupory 27 no.2:93 '62. (MIRA 15:3)

1. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Belousov).
2. Konstantinovskiy ogneupornyy zavod "Krasnyy Oktyabr'" (for Limanskaya).

(Dust collectors)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

131-1-3/14

AUTHOR: Belousov, V. N.

TITLE: Remodelling Two Blocks of Periodic Furnaces in the Chasov-Yar Factory Imeni Ordzhonikidze (Pereustroystvo dvukh blokov periodicheskikh pechey na Chasov-Yarskom zavode im. Ordzhonikidze)

PERIODICAL: Ogneupory, 1958, Nr 1, pp. 11 - 13 (USSR)

ABSTRACT: Each block of these furnaces consisted of 7 chambers, separated from each other by walls of 2 1/2 bricks. The usable area of one chamber was 15,2 m^2, the capacity - 47 m^3. The furnaces were provided with semigas firings and step grates for the firing of Donets coal. The furnace pressure was done by low-pressure exhausters N 12 1/2 and 9 1/2, system "Sirokko". The remodelling of these furnaces into an annular gas furnace was performed in the following manner: The dividing walls of the chambers were taken apart and thus the 7 chambers of one clock united to one furnace flue. 2 blocks in this manner gave an annular furnace as is to be seen in figure 1. The arrangement of the gas conduits is shown in figure 2. The annular gas furnace is fired with cold generator gas with a calorie content of 1250 - 1270 kcal/m^3 and a gas pressure of 150 mm WS. The rise of temperature per hour is shown in a table and then the method of operation of the furnace is described. The re-

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131-1-3/14

Remodelling Two Blocks of Periodic Furnaces in the Chesov-Yar Factory Imeni Ordzhonikidze

sult of the remodelling of the furnace: content of chamber enlarged to 51,5 m^3 the output of furnace increased to 2800 t products per month with 1,5 % waste (before remodelling 2,100 t and 3,5 % waste). The specific fuel consumption was reduced from 290 to 142 kg. The working conditions for the laborers were improved. There are 2 figures, and 1 table.

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1. Furnaces-Remodelling

Card 2/2

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BELOUSOV, V.N., arkhitektor

Principal construction problems of the city of New York. Gor. khoz.Mosk. 36 no.1:46-48 Ja '62. (MIRA 16:1)
(New York (City)—Construction industry)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

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BELOUSOV, V.N., inzh.

The energy factor in increasing the vapor pressure for the intensification of paper drying. Trudy LTITSBP no.8:146-152 '61. (MIRA 16:9)

(Paper--Drying)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

ZHUCHKOV, P.A.; BELOUSOV, V.N.

Investigating the aerodynamic and psychometric conditions of the operation of the ventilation system of high-speed papermaking machines. Trudy LTITSBP no.13:134-139 '64.

(MIRA 18:2)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.O. [Bielousov, V.O.], prof.

Serous toxicoallergic meningitis in tuberculous children. Ped., akush. i gin. 19 no.5:24-28 '57. (MIRA 13:1)

1. Kafedra pediatrii (zav. - prof. V.O. Belousov) Khar'kovskogo meditsinskogo instituta (dir. - dots. I.P. Kononenko).
(MENINGES--TUBERCULOSIS)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

VOLKOV, N.Z.; BELOUSOV, V.P.

Using a mining method in laying underground piping. Prom. stroi. 40 no.7:36-37 '62. (MIRA 15:7)

1. Trest Metallurgstroy, Tula.
(Tunneling) (Metallurgical plants--Equipment and supplies)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

ALTSYBEYEVA, A.I.; BELOUSOV, V.P.; OVCHARKH, N.V.; MORACHEVSKIY, A.G.

Phase equilibria and thermodynamic properties of the system sec-butyl alcohol - water. Zhur. fiz. khim. 38 no.5:1242-1247 My '64. (MIRA 18:12)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova. Submitted July 6, 1963.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.P.; KOMAROV, Ye.V.; MORACHEVSKIY, A.G.

Thermodynamic properties of the system n-propyl alcohol - n-propyl acetate. Zhur.fiz.khim. 39 no.10:2499-2502 O '65.

(MIRA 18:12)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.
Submitted July 24, 1964.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.P.; MORACHEVSKIY, A.G.

Thermodynamic properties of the system n-propyl acetate - water. Zhur.fiz.khim. 39 no.11:2701-2703 N '65.

(MIRA 18:12)

1. Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV V.P.

AUTHORS: Morachevskiy, A. G., Belousov, V. P. 54-1-11/17

TITLE: The Study of Three-phase Equilibriums in the Benzene-Ethyl Alcohol-Water System (Issledovaniye trekhfaznykh ravnovesiy v sisteme benzol-etilovyy spirt-voda)

PERIODICAL: Vestnik Leningradskogo Universiteta Seriya Fiziki i Khimii (Nr 1), 1958, Nr 4,

ABSTRACT: M. S., Vrevskiy (ref. 1) set up rules which determine the influence of the solution exercised by a change of temperature on the composition of the vapors and of the composition azeotropic mixtures. These problems were investigated by numerous authors and were extended to multicomponent systems. As yet, however, the rules governing the influence of temperature on the composition of the vapors of solutions able to dissociate and on the composition of heteroazeotropes remains unexplained (in the case of binary systems, if by composition of heteroazeotropes a composition of vapor is meant which is in equilibrium with two liquid layers, the two problems are identical. In ternary systems, however, these problems differ as to their respective significance).

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

The **Study of Three-phase Equilibriums in** the Benzene-Ethyl Alcohol-Water System

54-1-11/17

The authors thank professor A.V. Storonkin for his kindness. The paper gives the result of the liquid-liquid vapor equilibrium in the system C_6H_6-C_2H_5OH-H_2O at temperatures of 35, 45, 55 and 64°C. The composition of the ternary heteroazeotropes at different temperatures and pressures was determined. There are 6 figures, 6 tables, and 11 references, 6 of which are Slavic.

SUBMITTED: February 4, 1957

AVAILABLE: Library of Congress

1. Vapor compounds-Theoretical analysis

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.P

AUTHORS: Storonkin, A.V., Morachevskiy, A.G., Belousov, V.P. 54-10-2-9/16

TITLE: The Effect of Temperature on the Composition of Binary Heteroazeotropes (O vliyanii temperatury na sostav binarnykh geteroazeotropov)

PERIODICAL: Vestnik Leningradskogo Universiteta, Seriya fiziki i khimii 1958, Vol. 10 Nr 2, pp. 94-100 (USSR)

ABSTRACT: This paper deals with general equations which determine the changes in the composition of binary heteroazeotropes in the case of a change of temperature, and the correlation between the change of composition and the shape of the curve of the reciprocal solubility of the liquids is discussed. It is obvious that the question relating to the influence exercised by temperature upon the composition of the binary heteroazeotropes is identical with that of the influence of temperature upon the vapor composition of the binary stratifying solution. Therefore, this problem is best solved by means of equations which express the equilibrium of the three-phase systems (Ref 5). On the basis of the equation:

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$$\frac{dx^{(3)}}{dT} = \frac{\eta_{31} - \eta_{32}}{\left(\frac{\partial^2 \varphi}{\partial x^2}\right)_{P,T} (x^{(2)} - x^{(1)})} = \frac{Q_{31} - Q_{32}}{T\left(\frac{\partial^2 \varphi}{\partial x^2}\right)^{(3)}_{P,T} (x^{(2)} - x^{(1)})}$$

the following conclusion may be drawn: If temperature rises, content of components in the binary heteroazeotrope increases which shows high concentration in that liquid layer during the condensation of which the greatest amount of heat is separated. This layer has a high differential molar evaporation temperature, and therefore the formulation given cannot be circumscribed accordingly. The problem of the influence exercised by temperature upon the change of composition of the binary heteroazeotrope can also be solved by another method, which also offers certain advantages. Let it be assumed that the partial molar temperature of the evaporation of one of the components is higher in all compositions of the solutions than that of others. A - component with higher evaporation temperature, L_A - its evaporation temperature, x_A - molar part. In view of such a condition it is possible to name 4 variants of the dependence of the reciprocal solubility of the

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components upon temperature:

1.) With rising temperature reciprocal solubility increases: The A-component content increases in the layer with the lowest A-content.

2.) With rising temperature reciprocal solubility diminishes; the A-component content increases in the layer having the highest A-content.

3.) With rising temperature the content of A in both layers increases.

4.) With rising temperature the content of A in both layers diminishes.

These variants of the solubility curves are shown (fig.2). It is possible that such systems exist in which the correlation of the partial molar temperature of the evaporation of components will be different in different layers; thus, for one layer it may be $L_A > L_B$, and for the other $L_B > L_A$. However, for such cases, which are apparently very rare, it is practically of no interest

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to connect the change of heteroazeotropic composition with the temperature values of the evaporation of components, though discussions, such as the one mentioned above, are, of course, possible also in this case. There are 2 figures, and 9 references, 6 of which are Soviet.

SUBMITTED: December 25, 1957

AVAILABLE: Library of Congress

1. Binary heteroazeotropes—Temperature factors—Theory
2. Binary heteroazeotropes—Solubility—Temperature factors

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Belousov, V.P.

MORACHEVSKIY, A.G.; BELOUSOV, V.P.

Study of three phase equilibrid in the system benzene-ethyl alcohol-water [with summary in English]. Vest.LGU 13, no.4:117-125 '58.
(Benzene) (Ethyl alcohol) (MIRA 11:4)
(Phase rule and equilibrium)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

S/054/61/000/001/008/008
B117/B203

AUTHOR: Belousov, V. P.

TITLE: Heats of mixing of liquids. 1. Design of the calorimeter and determination of heats of mixing of n-propyl alcohol and water

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, no. 1, 1961, 144-148

TEXT: The author describes the design of a calorimeter for determining the mixture temperatures of liquids at temperatures up to the boiling point, and gives experimental data with respect to the mixture temperature in the system n-propyl alcohol/water. This paper is part of an extensive investigation of the effect of temperature on the thermodynamic properties of two- and polyphase systems. Fig. 1 schematically shows the calorimeter built by the author. It works on a similar principle as the calorimeter built by S. M. Skuratov (Ref. 1: S. M. Skuratov. Kolloidn. zhurn., 9, no. 2, 133, 1947), but has a different design. It consists of: 1 = stainless, thin-walled steel cylinder of 30 mm diameter and 50 mm height;

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2 = cover; 3 = opening in the cover; 4 = table; 5 = table leg; 6 = ampul; 7 = thin-walled bell with 8 = opening for filling the liquid; 9 = Manganin wire heater (R = 36 ohms); 10 = glass tube with heater wires; 11 = point for breaking the ampuls. The mixing vessel is set into a copper bucket (13); the latter is attached to three Textolite supports (14) in a thin-walled cylinder (15); the thermobattery (12) situated between bucket and cylinder consists of five copper-Constantan elements. The brass cylinder (15) is hermetically sealed on top with a cover (16) with polyethylene inset (17). The brass tube (25) guides the wires and fixes the cylinder to the cover of the adiabatic casing. Interposition of bearings (18) between tube and cylinder permits smooth rotation of the latter. The cylinder (15) is inserted in an adiabatic casing. The latter is a copper vessel (23) holding about 7 l of petroleum or, at temperatures above 50°C, of oil. On the bottom, there is a large-area nichrome heater (22). A 2000-rpm propeller mixer (19) is attached to the Textolite cover of the casing, as well as a second heater (20), and a cooler of four thin aluminum tubes (21). In the cover, there are openings for the thermometer and for heat conductors. The casing is lined outside with a 10 cm thick insulating foam layer (24). The temperature of the casing was recorded with an

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MMT-1 (MMT-1) heat conductor which was inserted in a bridge circuit with an M 25/3 (M 25/3) galvanometer. The sensitiveness of the galvanometer was 10^{-9} A/mm. The accuracy of measurement was $\pm$ 0.0005°C. When preparing the experiments, the filling of the mixing vessel is of special importance. The total volume of the two liquids did not exceed 4-5 ml. The determination of the mixing effect is generally started after adjusting the effect of temperature to zero under maintenance of adiabatic conditions. After establishing the temperature balance of calorimeter and casing, the temperature was read off, and the change in temperature ΔT_1 of the calorimeter due to the mixing process was determined. The correction with respect to the imperfectness of adiabatic conditions was 0.1 - 0.2 %. The second part of the experiment was the determination of the thermal capacity of the system by the passage of current through the calorimeter heater. A compensation circuit with an P 375 (R375) potentiometer was used to measure the amount of current passing through. To check the dependability of the method, the thermal capacity of a filled calorimeter was measured at varying heating rate (1°C in 5, 10, and 15 min). The error of determination of the thermal capacity did not exceed 0.5 %. The

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error of determination of $\Delta\tau_1$ varied from 0.05 to 0.5 %, depending on τ_1 (between 0.1 and 1°C). The error of prescription of the mixing proportion may attain 0.5 %. Deviations from adiabatic conditions during mixing due to local overheatimg may cause an error of 0.2 %. The maximum total relative error in determining the heat of mixing is ± 2 %. To check the method, heats of mixing were also measured in the system benzene/carbon tetrachloride. Results were in good agreement with dependable data of some other authors. Special tests showed that the adiabatic calorimeter described worked with unreduced accuracy even at elevated temperatures. The heats of mixing in the system n-propyl alcohol/water were measured at temperatures of 25°C, 50°C, and 75°C. Results are tabulated. A comparison of data with results found by E. Bose and A. Müller (Zs. phys. Chem., 58, 587, 1907) showed good agreement. The author thanks A. V. Storonkin, Professor, and A. G. Morachevskiy, Docent, for valuable hints. There are 4 figures, 1 table, and 10 references: 2 Soviet-bloc and 8 non-Soviet-bloc.

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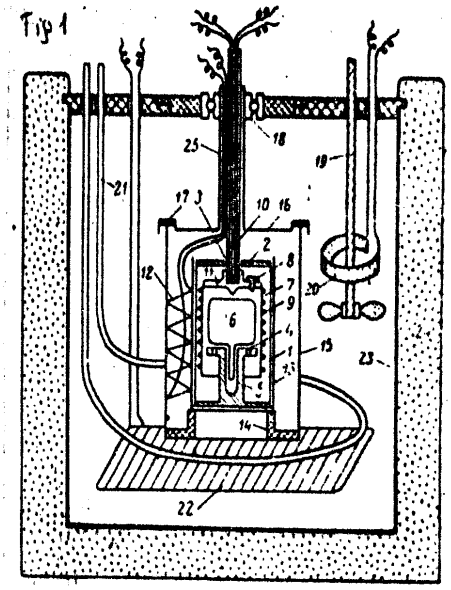
Heats of mixing of liquids...

S/054/61/000/001/008/008
B117/B203

Fig 1



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Heats of mixing of liquids...

Legend to the table: x_{PrOH} denotes the molar alcohol fraction, ΔH the mixing enthalpy in calories per mole of the mixture.

25°C		50°C		75°C	
x_{PrOH}	ΔH, кал/моль	x_{PrOH}	ΔH, кал/моль	x_{PrOH}	ΔH, кал/моль
0,027	−53,3	0,031	−18,2	0,008	−2,1
0,034	−69,3	0,043	−29,1	0,032	4,2
0,054	−78,7	0,082	−23,3	0,080	33,4
0,094	−91,8	0,099	−12,6	0,348	164
0,153	−65,7	0,206	30,0	0,505	185
0,262	−24,7	0,369	88,5	0,589	183
0,295	−19,4	0,466	104	0,665	177
0,349	− 2,71	0,587	113	0,790	140
0,533	32,0	0,707	110	—	—
0,602	40,2	0,872	56,9	—	—
0,739	42,5	—	—	—	—
	—				

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BELOUSOV, V.P.; ZHIGUNOV, I.S.; MORACHEVSKIY, A.G.

Heats of mixing of liquids. Part 2: Heats of mixing in binary systems n-propyl alcohol - n-propyl acetate, n-propyl acetate - water, and cyclohexane - methanol. Vest LGU 16 no.22:111-115 '61. (MIRA 14:11)

(Systems (Chemistry)) (Heat of mixing)

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BELOUSOV, V.P.; MORACHEVSKIY, A.G.; STORONKIN, A.V.

Heat of mixing liquids. Part 3: Heat of mixing for ternary systems. Experimental study of heats of mixing in the ternary system n-proply alcohol - n-proply acetate - water. Vest. LGU 17 no.4:96-105 '62.
(MIRA 15:3)

(Proply alcohol)(Acetic acid)(Heat of mixing)

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BELOUSOV, V.P.; SABININ, V.Ye.; DMITRIYEV, I.V.

Calorimeter for determining the integral heats of vaporization of liquid mixtures. Izv.vys.ucheb.zav.; khim. i khim.tekh. 7 no.2:335-340 '64. (MIRA 18:4)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova, kafedra teorii rastvorov.

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BELOUSOV, V.P.; MORACHEVSKIY, A.G.

Thermodynamic properties of the binary system n-propyl alcohol - water. Zhur. fiz. khim. 38 no.1:184-189 Ja'64. (MIRA 17:2)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

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BAKALOV, S.A.; BELOUSOV, V.P.; BRATSEV, L.A.; VODOLAZKIN, V.M.; YEROSHENKO, V.N.; ZHUKOV, V.F.; LUBAN, S.A.; MARKIZOV, L.P.; NADEZHDIN, A.V.; NOVIKOV, F.Ya.; PONOMAREV, V.D.; POTRASHKOV, G.D.; ROZHDESTVENSKIY, S.I.; TROFIMOV, S.V.; FEL'DMAN, I.R.; FOYGEL', D.O.; KHRUSTALEV, L.N.; CHURUKSAYEV, I.I.; KONDRAT'YEVA, V.I., red.

[Theory and practice in the study of frozen ground in construction] Teoriia i praktika merzlotovedeniia v stroitel'stve. Moskva, Nauka, 1965. 187 p. (MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh sooruzheniy. Severnoye otdeleniye.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

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STORONKIN, A.V.; BELOUSOV, V.P.

Limitations imposed by the stability conditions on the nature of the concentration dependence of thermodynamic functions of mixing. Zhur. fiz. khim. 39 no. 1:174-177 Ja '65
(MIRA 19:1)

1. Leningradskiy gosudarstvennyy universitet imeni A.A. Zhdanova.
Submitted December 12, 1963.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.R.; LEBEDEV, L.N.; POLYAK, G.I.

Simulation of turbines and their speed regulators. Izv. NIIPT no.5:273-284 '60. (MIRA 14:1)
(Turbines--Electromechanical analogies)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.R.; SADOVSKIY, Yu.D.

Device for measuring e.m.f. phase shifts in electrical system models. Izv. NIIPT no.6:277-283 '60. (MIRA 14:7)
(Electric network analyzers)
(Electronic measurements)
(Electric machinery, Synchronous)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

1. BELOUSOV, V. S., Eng.

2. USSR (600)

4. Electric Power Plants

7. Competition in the quality of equipment repair and in lowering its costs, Elek. sta., 23, No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

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1. BELOUSOV, V.S.

2. USSR (600)

4. Electric Power Plants

7. Competition "For outstanding quality and lower cost of repair of every unit of equipment." Eng. V.S. Belousov, Rab.energ. 3 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.S., obshchiy red.; KRYZHANOVSKIY, V.A., obshchiy red.; SHUKHER, S.M., red.; LARIONOV, G.Ye., tekhn.red.

[Operation of the Cherepets State-owned Regional Electric Power Plant] Opyt ekspluatatsii Cherepetskoi GRES. Moskva, Gos.energ.izd-vo, 1959. 302 p. (MIRA 12:9)
(Cherepets--Electric power plants)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V., red.; BELYAYEVSKIY, N.A., red.; BOGDANOV, A.A., red.; GARETSKIY, R.G., red.; GUBIN, I.Ye., red.; KROPOTKIN, P.N., red.; LEYTES, A.M., red.; MAZAROVICH, O.A., red.; MURATOV, M.V., red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE, A.V., red.; PETRUSHEVSKIY, B.A., red.; PUSHCHAROVSKIY, Yu.M., red.; SHEYNMANN, Yu.M., red.; SHTREYS, N.A., red.; YANSHIN, A.L., red.

[Problems of the comparative tectonics of ancient platforms; materials] Voprosy sravnitel'noi tektoniki drevnikh platrofm; materialy. Moskva, Nauka, 1964. 152 p. (MIRA 17:8)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

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SHOLPO, Viktor Nikolayevich; BELOUSOV, V.V., otv. red.

[Type and formation of folds in the shale-bearing part of Daghestan] Tipy i usloviia formirovaniia skladchatosti slantsevogo Dagestana. Moskva, Izd-vo "Nauka," 1964. 167 p. (MIRA 17:6)

1. Chlen-korrespondent AN SSSR (for Belousov).

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

PEYVE, A.V., otv. red.; BELOUSOV, V.V., red.; GALETSKIY, R.G., red.; LEYTES, A.M., red.; PAVLOVSKIY, Ye.V., red.; YANSHIN, A.L., red.

[Deformation of rocks and tectonics] Deformatsiia porod i tektonika. Moskva, Nauka, 1964. 274 p. (Doklady sovetskikh geologov. Problema 4) (MIRA 17:10)

1. Natsional'nyy komitet geologov Sovetskogo Soyuza.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

MURATOV, M.V., otv. red.; PUSHCHAROVSKIY, Yu.M., red.; KHAIN, V.Ye., red.; MAZAROVICH, O.A., red.; BELOUSOV, V.V., red.; BELYAYEVSKIY, N.A., red.; BOGDANOV, A.A., red.; GARETSKIY, R.G., red.; GUBIN, I.Ye., red.; KROPOTKIN, P.N., red.; LEYTES, A.M., red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE, A.V., red.; PETRUSHEVSKIY, B.A., red.; SHEYNMANN, Yu.M., red.; SHTREYS, N.A., red.; YANSHIN, A.L., red.

[Folded areas of Eurasia; materials] Skadchatye oblasti Evrazii; materialy. Moskva, Nauka, 1964. 375 p. (MIRA 17:11)

1. Soveshchaniye po problemam tektoniki. Moscow, 1963.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELYAYEVSKIY, N.A., otv. red.; LEYTES, A.M., otv. red.; SHEYNMANN, Yu.M., otv. red.; BELOUSOV, V.V., red.; BOGDANOV, A.A., red.; GARETSKIY, R.G., red.; GUBIN, I.Ye., red.; KROPOTKIN, P.N., red.; SHTREYS, N.A. red.; MAZAROVICH, O.A., red.; MURATOV, M.V., red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE, A.V., red.; PETRUSHEVSKIY, B.A., red.; PUSHCHAROVSKIY, Yu.M., red.; YANSHIN, A.L., red.

[Tectonics, igneous activity and distribution of ore deposits; materials] Tektonika, magmatizm i zakonomernosti razmeshcheniia rudnykh mestorozhdenii; materialy. Moskva, Nauka, 1964. 237 p. (MIRA 17:8)

1. Soveshchaniye po problemam tektoniki, Moscow, 1963.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

GARETSKIY, R.G., otv. red.; YANSHIN, A.L. akademik, otv. red.; BELOUSOV, V.V., red.; BELYAYEVSKIY, N.A., red.; BOGDANOV, A.A., red.; GUBIN, I.Ye., red.; KROPOTKIN, P.N., red.; LEYTES, A.M., red.; MAZAROVICH, O.A., red.; MURATOV, M.V., red.; NIKOLAYEV, N.I., red.; PAVLOVSKIY, Ye.V., red.; PEYVE, A.V., red.; PETRUSHEVSKIY, B.A., red.; PUSHCHAROVSKIY, Yu.M., red.; SHEYNMANN, Yu.M., red.; SHTREYS, N.A., red.

[Young platforms, their tectonics, and prospects for finding oil and gas; materials] Molodye platformy, ikh tektonika i perspektivy neftegazonosnosti; materialy. Moskva, Nauka, 1965. 223 p. (MIRA 18:3)

1. Soveshchaniye po problemam tektoniki, Moscow, 1963.

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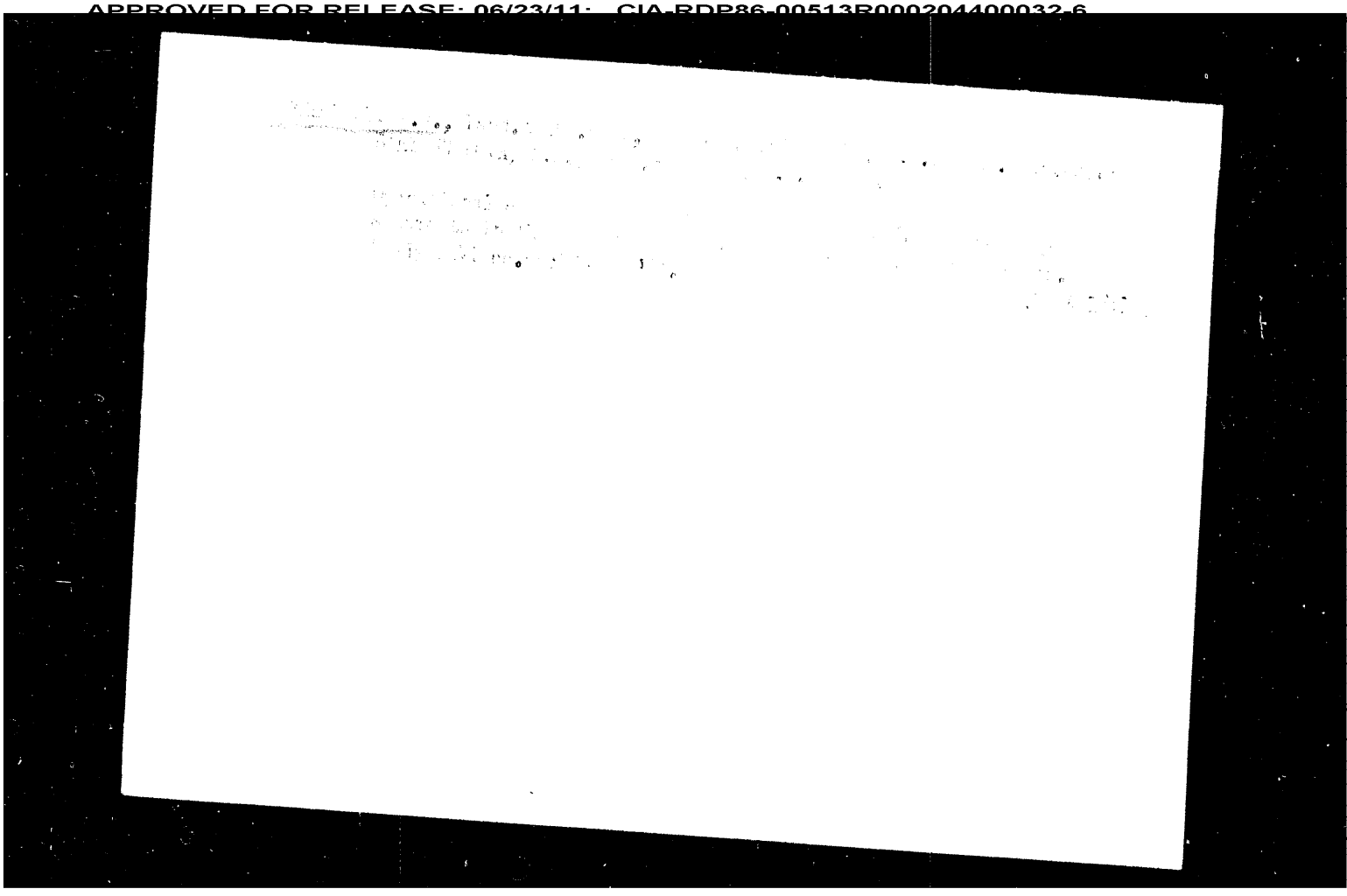

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BELOUSOV, V.V.

Conference on problems in the study of the great grabens of eastern Africa held in Kenya. Vest.AN SSSR 35 no.8:73 Ag '65.

1. Chlen-korrespondent AN SSSR. (MIRA 18:8)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V.; PUSHKOV, N.V., doktor fiz.-mat. nauk

To all participants of the International Year of the Quiet Sun. Izv. AN SSSR. Fiz. atm. i okeana 2 no.1:101 Ja '66.

(MIRA 19:1)

1. Predsedatel' Mezhduvedomstvennogo geofizicheskogo Komiteta pri Prezidiume AN SSSR, chlen-korrespondent AN SSSR (for Belousov). 2. Vitse-prezident Spetsial'nogo (mezhdunarodnogo) kom.teta Mezhdunarodnogo goda spokoynogo Solntsa i predsedatel' sovetskoy Rabochey gruppy po Mezhdunarodnomu Godu spokoynogo Solntsa (for Pushkov).

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V., inzhener.

[Starting and adjusting central-heating systems] Pusk i naladka sistem tsentral'nogo otopleniia. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 223 p.

(MLRA 6:10)
(Heating)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V.

BELOUSOV, V.V.

Incorrect directions for designing boiler installations. Vod. i san tekh. i no.2:32-33 My '55.
(Boilers) (MLRA 8:11)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V.

Using the circulation system of water heating. Vod.i san. tekh. no.4: 33 Jl '55. (MLRA 8:12)

(Heating from central stations)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V.

Leads for ribbed pipes of a low-pressure steam heating system. Vod.i san.tekh. no.9:32 D '55. (MLRA 9:3)
(Heating pipes)

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Belousov, V.V.

RERPIN, Nikolay Nikolayevich, kand.tekhn.nauk; SVESHNIKOV, I.P., kand.tekhn. nauk, retsenzent; BELOUSOV, V.V., kand.tekhn.nauk, retsenzent; KAZ'MIN-BALASHOV, A.I., inzh. nauchnyy red.; SMIRNOVA, A.P., red. izd-va; TOKER, A.M., tekhn.red.

[Plumbing] Sanitarno-tekhnicheskie ustroistva zdanii. Izd. 2-oe, perer. Moskva, Gos.izd-vo lit-ry po stroit. i arkhit., 1957. 358 p. (Plumbing) (MIRA 11:2)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V.

BELOUSOV, V.V.

"Standards and technical specifications for planning hot-water supply to apartment houses, public buildings, and public services of industrial enterprises." Vod. i san. tekh. no.2:37-38 F '57.
(Hot-water supply) (MLRA 10:6)

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Belousov, V.V.

BELOUSOV, V.V.

Wrong requirements of the State Technical Office for City Inspection of the R.S.F.S.R. Vod. i san. tekh. no.1:31-32 Ja '58. (MIRA 11:1)
(Boilers) (Heating)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, V.V., inzh.red.; MUNTS, A.F., red.; [illegible], A.F., tekhn.red.

[Instructions SN 7-57 for plans of heating and ventilation systems for production and auxiliary buildings of industrial installations] Ukazaniia po proektirovaniiu otopleniia i ventiliatsii proizvodstvennykh i vspomogatel'nykh zdanii promyshlennykh predpriiatii SN 7-57. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 19[illegible]. 133 p. (MIRA 11:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Factories--Heating and ventilation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, Vladimir Vladimirovich, inzh.; MIKHAYLOV, Fedor Semenovich, inzh.; ANDRIANOV, S.V., inzh., red.; SAFONOV, P.V., red. izd-va; GUSEVA, S.S., tekhn.red.; STEPANOVA, E.S., tekhn.red.

[Installing steam heating boiler units] Montazh otopitel'nykh kotel'nykh ustanovok. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1958. 182 p. (MIRA 12:4)
(Boilers)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

GENIN, M.Ya., inzh.; KHOTKEVICH, S.G., inzh.; ADAMOV, O.V., inzh., retsenzent; VINOGRADOV, A.Ya., inzh., retsenzent; BELOUSOV, V.V., inzh., nauchnyy red.; NIKEMYAGI, D.K., red.izd-va; MEDVEDEV, L.Ya., tekhn.red.; STEPANOVA, E.S., tekhn.red.

[Machine tools and mechanisms used in sanitary engineering] Stanki i mekhanizmy dlia proizvodstva sanitarno-tekhnicheskikh rabot. Moskva, Ges.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 179 p. (MIRA 13:6)
(Sanitary engineering--Equipment and supplies)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

SVESHNIKOV, Ivan Petrovich, kand.tekhn.nauk [deceased]; STAROVEROV, Ivan Grigor'yevich, inzh.; BELOUSOV, V.V., inzh., retsenzent; STESHENKO, A.L., inzh., retsenzent, nauchnyy red.; NINEMYAGI, D.K., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Practical sanitary engineering] Proizvodstvo sanitarno-tekhnicheskikh rabot. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 476 p. (MIRA 14:3)
(Sanitary engineering)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, Vladimir Vladimirovich, inzh.; MIKHAYLOV, Fedor Semenovich, inzh.; SMIRNOV, L.I., inzh., nauchnyy red.; UFIMTSEV, G.N., inzh., red.; SAFONOV, P.V., red. izd-va; RODIONOVA, V.M., tekhn. red.

[Principles of the design of central heating systems]Osnovy proektirovaniia sistem tsentral'nogo otopleniia. Moskva, Gosstroiizdat, 1962. 401 p. (MIRA 15:12)
(Heating)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

STESHENKO, A.L., inzh., red.; BELOUSOV, V.V., inzh., red.; MIZHERICHER, A.M., inzh., red.; STRASHNYKH, V.[illegible]., red.; NAUMOVA, G.D., tekhn. red.

[Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.3. Sec.G. ch.1. [Sanitary engineering equipment for buildings and installations; rules governing work and inspection] Sanitarno-tekhnicheskoe oborudovanie zdanii i sooruzhenii; pravila proizvodstva i priemki rabot (SNiP III-G. 1-62). 1963. 35 p.
(MIRA 16:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva Soveta Ministrov SSSR (for Steshenko). 3. Mezhduvedomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil (for Belousov). 4. Proyektno-konstruktorskaya kontora Glavnogo upravleniya sanitarno-tekhnicheskikh i montazhnykh rabot Ministerstva stroitel'stva RSFSR (for Mizhericher).
(Sanitary engineering--Safety measures)

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KAZANSKIY, Nikolay Vasil'yevich; MIKHAYLOV, Fedor Semenovich; BELOUSOV, V.V., red.; KORNEVA, G.V., red.izd-va; SALAZKOV, N.P., tekhn. red.

[Mechanization and automation of boiler systems] Mekhanizatsiia i avtomatizatsiia kotel'nykh ustanovok. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 103 p.
(MIRA 17:1)

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GENIN, Mark Yakovlevich[deceased]; SMIRNOV, Leonid Ivanovich; BELOUSOV, V.V., nauchn. red.; TELINGATER, L.A., red.

[Assembling sanitary engineering equipment] Montazh sanitarno-tekhnicheskikh ustroistv. Izd.3., dop. i perer. Moskva, Vysshaia shkola, 1964. 294 p. (MIRA 17:12)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

BELOUSOV, Vladimir Vladimirovich, inzh.; MIKHAYLOV, Fedor Semenovich, inzh.; VINOGRADOVA, G.M., red.; GOL'BERG, T.M., tekhn.red.

[Installing heating boilers] Montazh otopitel'nykh kotel'nykh ustanovok. Izd.2., ispr. i dop. Moskva, Stroiizdat, 1964. 295 p. (MIRA 17:3)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204400032-6

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BELOUSOV, V. V.

O Kolebatel'nykh Dvizheniyakh Zemnoy Kory. "Fluctuating Movements of the Earth's Crust." Is. AK NaukSSSR, Ser. Geol., No. 2, 1938.

SO: Trudy Arkitcheskogo Nauchno-Issledovatel'skogo Instituta, GUSMP, Council of Ministers, Vol. 201, 1948

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BELOUSOV, V. V.

"Thickness of Deposits as an Expression of the Sequence of Oscillatory Movement of the Earth's Crust," Sov. Geologiya, No. 2-3, 1940.

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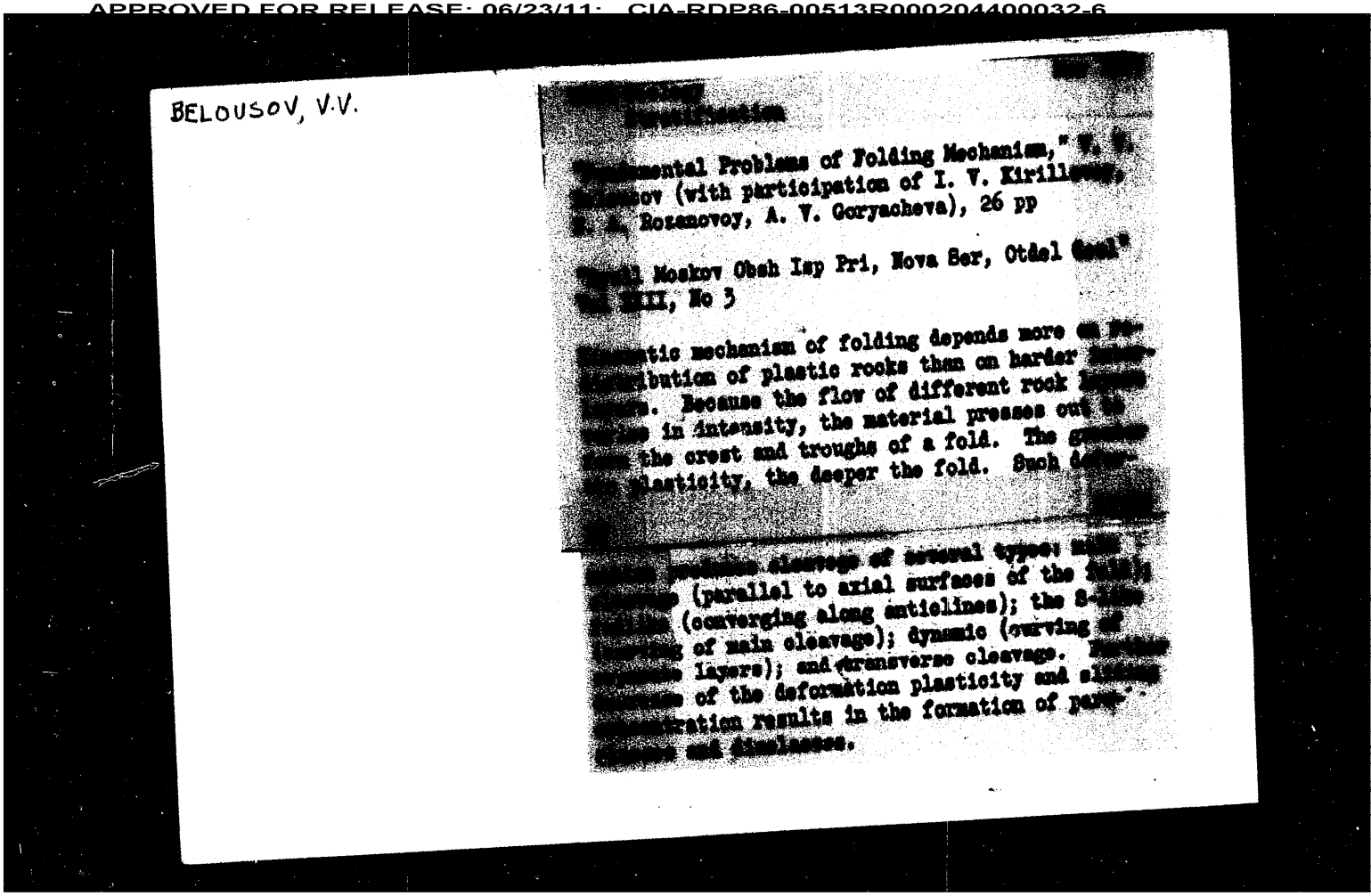

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[redacted]mental Problems of Folding Mechanism," [redacted]
[redacted]ov (with participation of I. V. Kirillova,
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[redacted]atic mechanism of folding depends more on the
[redacted]ibution of plastic rocks than on harder
[redacted]. Because the flow of different rock
[redacted] in intensity, the material presses out
[redacted] the crest and troughs of a fold. The
[redacted] plasticity, the deeper the fold. Such

[redacted] cleavage of several types:
[redacted] (parallel to axial surfaces of the
[redacted] (converging along anticlines); the
[redacted] of main cleavage); dynamic (curving
[redacted] layers); and transverse cleavage.
[redacted] of the deformation plasticity and
[redacted]ration results in the formation of
[redacted] and disclosures.

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Proposes geotectonic data points to differentiation (stratification) of substances, as well as to main depth process that det the earth's development. Introduces "multilayer" differentiation and attempts to explain, with aid of this representation, basic peculiarities of the earth's tectonic history. Submitted by Acad O. Yu. Shmidt.

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USSR/Geophysics - Terrestrial Crust Sep 51

"Problems of Structure and the Development of the Terrestrial Crust," V. V. Belousov

"Priroda" No 9, pp 21-32

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211T58

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176T42

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176T42

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USSR/Geophysics - Seismology Sep/Oct 52

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226T60

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226T60

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